





Shubh Kabra

 (217) 220-1437  sk37@illinois.edu  <https://shubhkabra.github.io/>  [linkedin.com/in/shubhankarkabra](https://www.linkedin.com/in/shubhankarkabra)

Education

University of Illinois At Urbana-Champaign

Champaign, Illinois

B.S. Computer Science and Statistics (GPA: 3.4/4.0)

August 2018 – August 2022

Coursework : Data Structures, Algorithms and Models of Computation, Applied Machine Learning, Database Systems, Systems Programming, Computer Architecture, Statistical Analysis, Statistics Programming Methods.

Work Experience

PreVeil

Boston, MA

Software Development Intern

May 2021 – August 2021

- Improved the user experience of the account recovery flow with QR codes in a zero-trust system using **Python**, **SQLite** on the Backend and **Angular**, **Redux**, **TypeScript** on the Frontend.
- Improved the user functionality of PreVeil Drive by implementing group sharing using **Golang**, **Python**, **TypeScript** and **Angular**.

CME Group

Champaign, IL

Software Engineer Intern

Jan 2020 – August 2020

- Designed and developed a library to consume streaming data from **Google Cloud Platform** via **Java** through **Google PubSub API**.
 - Implemented a testing suite using **Selenium**, **Cucumber**, and **Java** with **99%+** accuracy to automate the testing of pre-existing application and reduced testing time by **90%**.
 - Worked with a team in implementing a fault tolerance library using **UDP networking**, and **JUnit** tests in **Java**.
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Open-Source

ClassTranscribe

April 2021 – June 2021

Software Developer

- Contributed to a video streaming platform(ClassTranscribe) which provides accessible, searchable lecture videos with captions using automated Speech-to-text and crowdsourcing techniques.
 - Improved live captioning and transcription for the videos on the platform using **React.js**, **Redux.js**, **JavaScript**.
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Projects

- **Donero** : Designed, created, marketed and launched a map-based app with over 500 users on the Google Play Store to help homeless people in India get leftover food from households that would throw it out using **Google Maps API**, **Android**, and **Java**.
 - **OmniCalc** : Developed an android calculator for blind people that can solve polynomial and differential problems with voice commands. Used mXparser library, **Google Voice API**, **Java**, **Android**, and **Android Studio**.
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Skills

Languages: Python, Java, JavaScript, C++, Golang, C, SQL, SQLite, PostgreSQL, HTML, HTML5, CSS, R

Software/Technologies: React.js, Node.js, Git, Flask, Redux, AngularJS, Java SpringBoot, JIRA, Android Studio, Linux, Unix, Selenium, Cucumber, AWS.

Interests

Trading: Avid student of financial markets. Made MT4 bots for trading forex; trading equity options for over 2 years.

Badminton: Learning and playing badminton for over 8 years; competed in professional tournaments.